

**TOPOGRAPHIC SURVEY CONTROL POINT RECORD**

STATION LONG NAME	MU09
STATION NUMBER	MU09
4 CHAR ID	MU09
COUNTRY	IRAQ
LOCATION	AL HAYSHIRIYAT
SURVEYING AGENCY	IGRS
DATE (OF DESCRIPTION)	08 JULY 05

CONTENTS	YES	NO	NO OF PAGES
FIELD COORDINATE VALUES	X		1
OFFICE COORDINATE VALUES	X		1
STATION MONUMENT & SITE DETAILS	X		1
STATION DIAGRAM	X		1
ACCESS MAP	X		1
ACCESS DESCRIPTION	X		1
APPROACH PHOTOGRAPHS	X		1
CARDINAL POINT PHOTOGRAPHS	X		2

**RECORD OF VISITS**

DATE OF VISIT	NAME	UNIT	REMARKS

**ADDITIONAL DETAILS/ENCLOSURES**

CONTENTS	NO OF PAGES

## **FIELD COORDINATE VALUES**

STATION LONG NAME	MU09
4 CHAR ID	MU09
STATION NUMBER	MU09

THIS STATION IS NEW	YES
IDENTICAL / NEARLY IDENTICAL WITH	N/A

### **FIELD VALUES** FROM THE RECEIVER / HAND HELD GPS – IN WGS84

LATITUDE N	30° 07' 15.8''
LONGITUDE E	045° 21' 41.5''
HT (M)	+196
GRID ZONE DESIGNATOR	38R
UTM / MGRS GRID	38R NV 34827 32256
SURVEYING AGENCY	IGRS

FIELD INPUT BY: SPC CHAMBERS	UNIT: IGRS	DATE: 08 JULY 2005
FIELD CHECKED BY: SGT. O'NEAL	UNIT: IGRS	DATE: 08 JULY 2005

## OFFICE COORDINATE VALUES

### WGS 84 ADJUSTED VALUES AS AT: 25 Aug 05

LATITUDE N	30° 07' 15.77277''
LONGITUDE E	045° 21' 41.83100''
SPHEROIDAL HT (M)	196.911
EGM96 GEOID MODEL HT (M)	-6.118
ORTHOMETRIC HT (M)	203.029
VERTICAL DATUM	WGS 84
GEOID MODEL USED	EGM 96
RELATIVE TO	CORS STATIONS
RELATIVE POSITION ACCURACY (M)	0.018
RELATIVE HEIGHT ACCURACY (M)	0.015
ADJUSTING AGENCY	OPUS
ADJUSTMENT DATE	25 AUG 2005

### LOCAL DATUM VALUES AS AT: 25 Aug 05

SPHEROID	N/A
PROJECTION	N/A
GRID	N/A
VERTICAL DATUM	N/A
LATITUDE N / S	N/A
LONGITUDE E / W	N/A
EASTINGS (M)	N/A
NORTHINGS (M)	N/A
SPHEROIDAL HT (M)	N/A
ORTHOMETRIC HT (M)	N/A
GRID ZONE DESIGNATOR	N/A
TRANSFORMATION AGENCY	N/A
TRANSFORMATION DATE	N/A

GRAVITY VALUE: N/A	TYPE OF STN: N/A	REF: N/A
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AIR PHOTO: N/A	REF: N/A	SCALE: N/A
IMAGERY: N/A	REF: N/A	SCALE: N/A

OFFICE INPUT BY: LCPL COWARD	UNIT: IGRS	DATE: 25 AUG 2005
OFFICE CHECKED BY: LCPL DICKEN	UNIT: IGRS	DATE: 25 AUG 2005

## STATION MONUMENT AND SITE DETAILS

<b>STATION LONG NAME: MU09</b>	
<b>STATION NUMBER: MU09</b>	<b>4 CHAR ID: MU09</b>
<b>LOCATION: AL HAYSHIRIYAT</b>	<b>COUNTRY: IRAQ</b>
<b>STATION ADDRESS: N/A</b>	
<b>TEL: N/A</b>	<b>FAX: N/A</b>
<b>LAND OWNER ADDRESS: N/A</b>	
<b>TEL: N/A</b>	<b>FAX: N/A</b>
<b>TYPE OF MARK: HARN</b>	
<b>CONDITION: GOOD</b>	
<b>MARK SETTING: FINE MARK ON RE-BAR</b>	<b>NO OF REBARS: 1</b>

### MONUMENT PHOTO / SKETCH



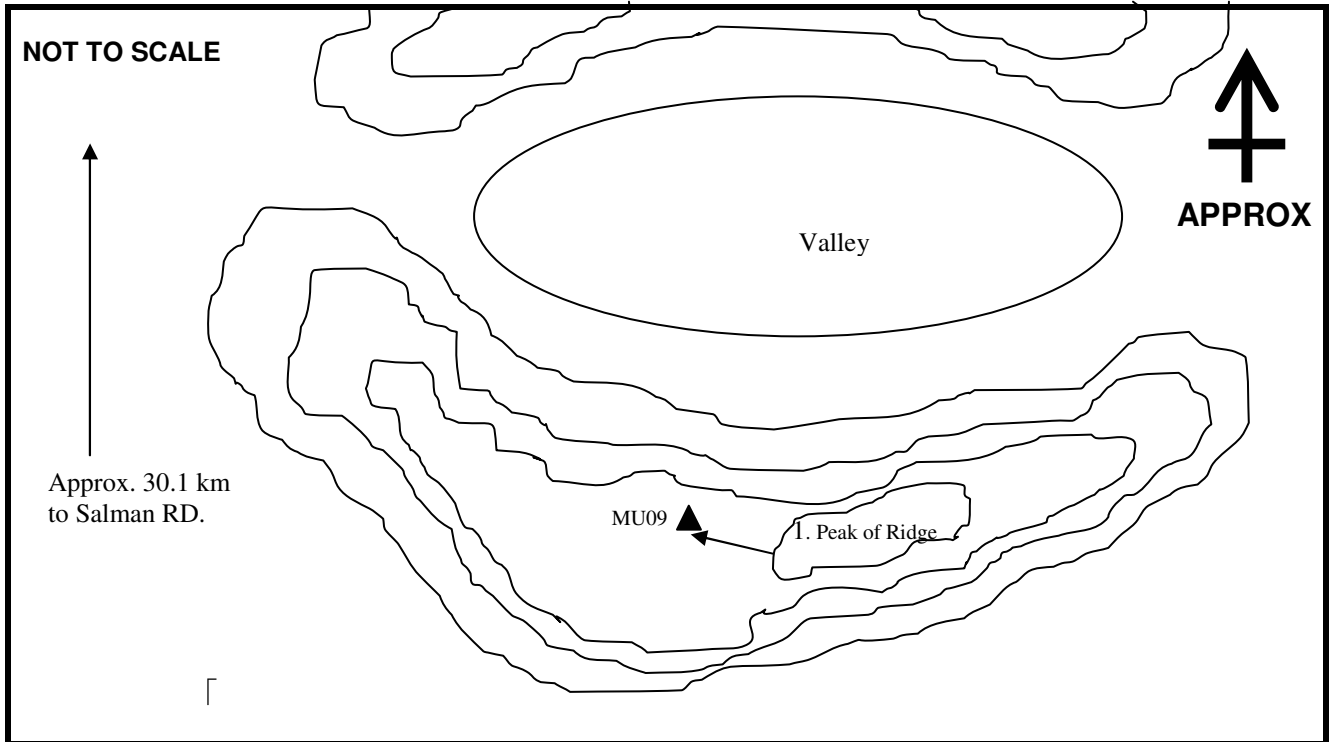
<b>PREPARED BY: SPC CHAMBERS</b>	<b>UNIT: IGRS</b>	<b>DATE: 08 JULY 2005</b>
<b>CHECKED BY: SGT. O'NEAL</b>	<b>UNIT: IGRS</b>	<b>DATE: 08 JULY 2005</b>

# STATION DIAGRAM

STATION LONG NAME: MU09

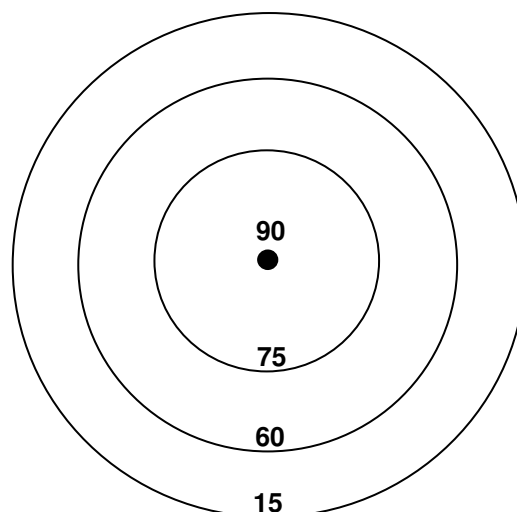
STATION NUMBER: MU09

4 CHAR ID: MU09



NO	DESCRIPTION	BRG/HORZ ANGLE	DISTANCE
1	PEAK OF RIDGE	348°	56.2m
2			
3			
4			

## OBSCURITY DETAILS



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CHECKED BY: SGT. O'NEAL	UNIT: IGRS	DATE: 08 JULY 2005



## ACCESS DESCRIPTION

<b>STATION LONG NAME: MU09</b>	
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<b>MAP DETAILS</b>	<b>SERIES: K643</b>	<b>SHEET: 5050</b>
<b>EDITION: 1-NIMA</b>	<b>SCALE: 1:100,000</b>	<b>GR: 38R NV 34827 32256</b>

To reach survey marker MU09 proceed from grid location: 38R NV 270 580 travel northwest on access trail to junction with Route 8 at grid location 38R NV 3045 6004, then travel West (TURN LEFT) onto Route 8.

Travel west for approximately 5km to Junction with Chamcham Rd. at grid: 38R 2779 6149. Then travel west on Chamcham Rd and continue south for 122km to grid 38R MU 594 815, the JCT. of Chamcham Rd. and Salman Rd., then travel East for approximately 28km to access the secondary road (dirt trail, near top of ridge on right-hand side.) From the secondary proceed south, following the river bed trails, for approximately 35km to survey site MU09 at grid location: 38R 3482 3225, atop a large, rocky hill, surrounded by a large lakebed.

(Note: this site's accessibility solely depends on the correct navigation of the riverbed trails and accurate maps.)

<b>PREPARED BY: SPC CHAMBERS</b>	<b>UNIT: IGRS</b>	<b>DATE: 08 JULY 2005</b>
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# APPROACH PHOTOGRAPHS

STATION LONG NAME: MU09	
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**NEAR APPROACH FACING NORTH**



**FAR APPROACH FACING NORTH**



TAKEN BY: SPC. CHAMBERS	DATE TAKEN: 08 JULY 2005
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## CARDINAL PHOTOGRAPHS

STATION LONG NAME: MU09	
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**NORTH**



**SOUTH**

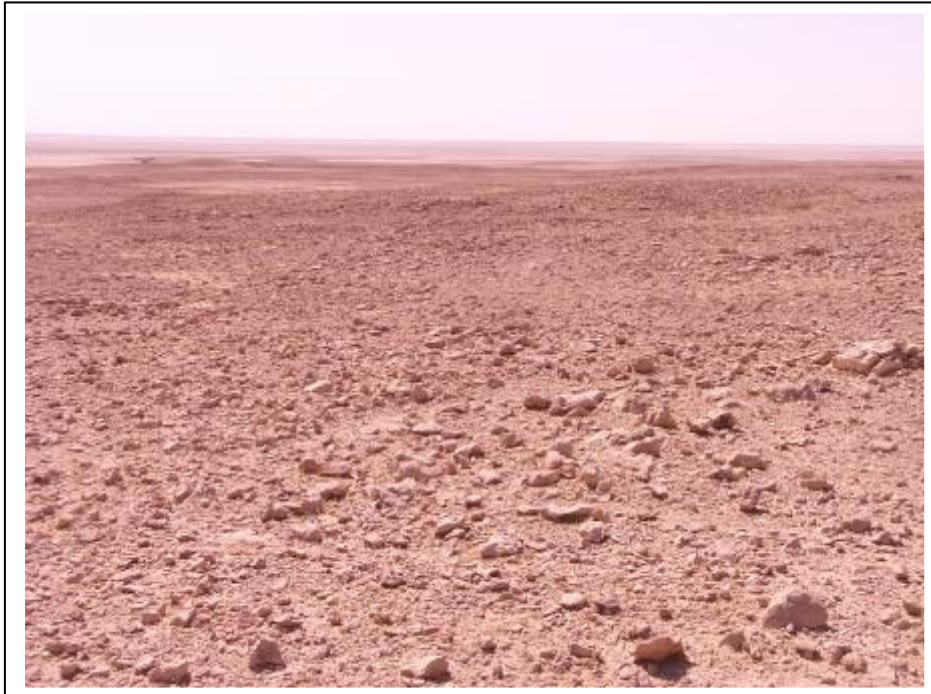


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## CARDINAL PHOTOGRAPHS

STATION LONG NAME: MU09	
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**EAST**



**WEST**



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